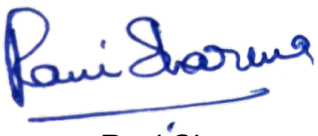
Certificate

This is to certify that the thesis titled *A Multi Objective Beacon Placement Strategy for 3D Point Cloud Representation of Indoor Environments*, submitted by *Ravi Sharma (P14CS002)* to the Indian Institute of Technology Jodhpur for the award of the degree of *Doctor of Philosophy*, is a bonafide record of the research work done by him under my supervision. To the best of my knowledge, the contents of this report, in full or in parts, have not been submitted to any other Institute or University for the award of any degree or diploma.

Dr. Venkataramana Badarla
Ph.D.Thesis Supervisor

Declaration

I hereby declare that the work presented in this thesis entitled *A Multi Objective Beacon Placement Strategy for 3D Point Cloud Representation of Indoor Environments* submitted to the Indian Institute of Technology Jodhpur in partial fulfillment of the requirements for the award of the degree of Doctor of Philosophy, is a bonafide record of the research work carried out under the supervision of Dr. Venkataramana Badarla. The contents of this thesis in full or in parts, have not been submitted to, and will not be submitted by me to, any other Institute or University in India or abroad for the award of any degree or diploma.



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To wrap it with tie and bow, as said by the Lord Krishna himself:

अनन्याश्चिन्तयन्तो मां ये जनाः पर्युपासते ।
तेषां नित्याभियुक्तानां योगक्षेमं वहाम्यहम् ॥

श्रीमद्भगवद्गीता (अध्याय ९, श्लोक २२)

Ravi Sharma

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